

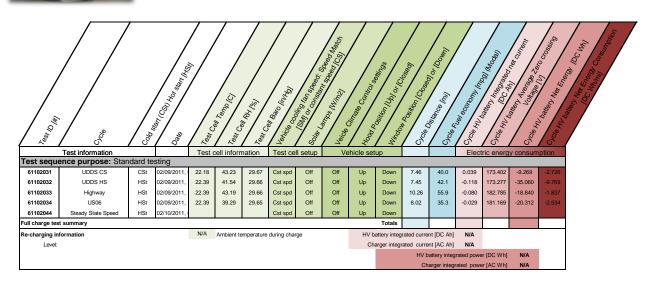


## 2010 Hyundai LPI Hybrid Vehicle Architecture Alternative Fuel Hybrid 11/27/2012 Document Date Revision Number

**Vehicle Setup Information** 

Downloadable Dynamometer Database (D3)- Test Summary Sheet

Test Cell Location	APRF- 4WD
Vehicle Dynamometer Input	
Test weight [lb]	3125
Target A [lb]	20.15
Target B [lb/mph]	0.2061
Target C [lb/mph^2]	0.014
Test Fuel Information	
Fuel type	Butane (C4H10)
Fuel density [g/ml]	0.579
Fuel Net HV [BTU/lbm]	19651



For the highway and US06 cycles only the second (hot) test results are presented in this summary.

- For the highway and USUs cycles only the second (not) test results are presented in this summary.

  Electric energy consumption:

  HV battery Integrated net current --> Integrated current as reported by power analyzer

  HV battery Average Zero crossing Voltage --> Calculated Average Zero crossing Voltage over the phase or cycle

  HV Net Energy --> Integrated power as reported by power analyzer

  Note that HV Net Energy is not equal to the product of HV battery Integrated net current times Average Zero crossing Voltage.
- \* Vehicle coast down information referenced from collaborative partner on project- Korea Automotive Technology Institute (KaTech)

## Advanced Powertrain Research Facility Data referencing:

- This data has originated from the Argonne National Laboratory D<sup>3</sup> website. http://webapps.anl.gov/vehicle\_data/
- The purpose of this information is to provide advanced technology vehicle chassis dynamometer test data for the engineering community. Mostly comprised of vehicle benchmarking test results, it is intended for the better understanding of the technology and for education. Data from this website may not used as a source for publication or profit without consent of Argonne National Laboratory
- Please contact d3info@anl.gov for questions, comments or inquiries.